

LIST OF TABLES

<u>Srl no</u>	<u>Table Heading</u>	<u>Page no</u>
<u>1</u>	Table-1. Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on percentage germination, time (h) for 50% germination (T ₅₀) and TTC stainability of <i>Vigna radiata</i> seeds.	65
<u>2</u>	Table-2. Effect of seed pretreatment with dry leaf extracts of of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on speed of germination of <i>Vigna radiata</i> seeds.	67
<u>3</u>	Table-3. Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of amino acids and soluble carbohydrates level in <i>Vigna radiata</i> seeds.	71
<u>4</u>	Table-4. Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of soluble carbohydrates and insoluble carbohydrates level in kernels of <i>Vigna radiata</i> seeds.	73
<u>5</u>	Table-5. Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of soluble amino acids and protein level in kernels of <i>Vigna radiata</i> seeds.	75
<u>6</u>	Table-6. . Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of DNA and RNA contents in kernels of <i>Vigna radiata</i> seeds.	77
<u>7</u>	Table-7. Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes on Dehydrogenase, Catalase, Peroxidase, Amylase activities in kernels of <i>Vigna radiata</i> seeds.	79
<u>8</u>	Table-8. Effect of seed pretreatment with dry leaf leachates of of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on percentage germination, time (h) for 50% germination (T ₅₀) and TTC stainability of <i>Vigna radiata</i> seeds.	81
<u>9</u>	Table 9. Effect of seed pretreatment with dry leaf leachates of of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on speed of germination of <i>Vigna radiata</i> seeds.	83
<u>10</u>	Table 10. Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of amino acids and soluble carbohydrates level in <i>Vigna radiata</i> seeds.	86

LIST OF TABLES

<u>Srl no</u>	<u>Table Heading</u>	<u>Page no</u>
<u>11</u>	Table-11. Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of soluble carbohydrates and insoluble carbohydrates level in kernels of <i>Vigna radiata</i> seeds.	88
<u>12</u>	Table-12 . Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of soluble amino acids and protein level in kernels of <i>Vigna radiata</i> seeds.	90
<u>13</u>	Table-13. . Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> changes of DNA and RNA contents in kernels of <i>Vigna radiata</i> seeds	92
<u>14</u>	Table-14. Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes on Dehydrogenase, Catalase, Peroxidase, Amylase activities in kernels of <i>Vigna radiata</i> seeds.	94
<u>15</u>	Table15. Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on percentage germination, time (h) for 50% germination (T ₅₀) and TTC stainability of <i>Senna occidentalis</i> seeds.	97
<u>16</u>	Table 16. Effect of seed pretreatment with dry leaf extracts of of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on speed of germination of <i>Senna occidentalis</i> seeds.	99
<u>17</u>	Table-17. Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of amino acids and soluble carbohydrates level in <i>Senna occidentalis</i> seeds.	102
<u>18</u>	Table-18. Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of soluble carbohydrates and insoluble carbohydrates level in kernels of <i>Senna occidentalis</i> seeds.	105
<u>19</u>	Table-19 . Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of soluble amino acids and protein level in kernels of <i>Senna occidentalis</i> seeds.	107
<u>20</u>	Table-20 . Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of DNA and RNA contents in kernels of <i>Senna occidentalis</i> seeds.	109

LIST OF TABLES

<u>Srl no</u>	<u>Table Heading</u>	<u>Page no</u>
<u>21</u>	Table-21. Effect of seed pretreatment with dry leaf extracts of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes on Dehydrogenase, Catalase, Peroxidase, Amylase activities in kernels of <i>Senna occidentalis</i> seeds.	111
<u>22</u>	Table-22. Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on percentage germination, time (h) for 50% germination (T ₅₀) and TTC stainability of <i>Senna occidentalis</i> seeds.	114
<u>23</u>	Table 23. Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on speed of germination of <i>Senna occidentalis</i> seeds.	116
<u>24</u>	Table-24.. Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of amino acids and soluble carbohydrates level in <i>Senna occidentalis</i> seeds.	120
<u>25</u>	Table-25. Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of soluble carbohydrates and insoluble carbohydrates level in kernels of <i>Senna occidentalis</i> seeds.	122
<u>26</u>	Table-26. . Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of soluble amino acids and protein level in kernels of <i>Senna occidentalis</i> seeds.	124
<u>27</u>	Table-27. . Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of DNA and RNA contents in kernels of <i>Senna occidentalis</i> seeds..	126
<u>28</u>	Table-28. Effect of seed pretreatment with dry leaf leachates of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> and <i>Alternanthera sessilis</i> on changes of Dehydrogenase, Catalase, Peroxidase, Amylase activities in kernels of <i>Senna occidentalis</i> seeds.	128
<u>29a</u>	Table 29(a). Identification of similar allelophytochemicals analogous to Anthraquinone present in <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> , <i>Alternanthera sessilis</i> .	160
<u>29b</u>	Table 29(b). Predictive mutagenicity of Anthraquinone and its similar compounds.	170

LIST OF TABLES

<u>Srl no</u>	<u>Table Heading</u>	<u>Page no</u>
<u>30a</u>	Table 30(a). Identification of similar allelophytochemicals analogous to β -sitosterol present in <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> , <i>Alternanthera sessilis</i> .	163
<u>30b</u>	Table 30(b). Predictive mutagenicity of β -sitosterol and its similar compounds.	171
<u>31a</u>	Table 31(a). Identification of similar allelophytochemicals analogous to Quercetin present in <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> , <i>Alternanthera sessilis</i> .	167
<u>31b</u>	Table 31(b). Predictive mutagenicity of Quercetin and its similar compounds.	172
<u>32</u>	Table-32: Effect of seed pretreatment with leaf extracts and leaf leachates of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> , <i>Alternanthera sessilis</i> on chromosomal aberrations of <i>Allium cepa</i> root tips.	183
<u>33</u>	Table-33: Effect of seed pretreatment with leaf extracts and leaf leachates of <i>Desmostachya bipinnata</i> , <i>Parthenium hysterophorus</i> , <i>Alternanthera sessilis</i> on chromosomal aberrations of <i>Vigna radiata</i> root tips.	184